

SRT-2 ISSUE NO. 4

1979 FEBRUARY 20

INSTRUCTION
SOURCE REPLACEMENT PROCEDURE
THERATRON B AND F



ATOMIC ENERGY OF CANADA LIMITED
COMMERCIAL PRODUCTS
OTTAWA, CANADA

INSTRUCTION

SOURCE REPLACEMENT PROCEDURE

THERATRON "B" AND THERATRON "F"

A.E.C.L. TELETHERAPY UNITS

INSTRUCTION REFERENCE: SRT-2

ISSUE NUMBER

SECTION A: GENERAL

1. Not less than one (1) authorized A.E.C.L. person and one (1) assistant shall participate in this operation.
2. Prior to commencement, the authorized person shall check that the following equipment is on hand.
 - (a) pocket dosimeter charger
 - (b) calibrated radiation survey meter - Jordan type AGB-50-SR or equivalent capable of reading radiation field as low as .5 mr/hr and a high range in the order of 25 - 50 r/hr.
 - (c) End windows geiger counter - Electronic Associates Ltd. type EA-147-A or equivalent having a low scale capable of reading in the range of 0 - 500 counts per minute and a high scale of not less than 25,000 C.P.M.
 - (d) set of source drawer handling tools
 - (e) hydraulic lift truck for moving source transfer shipping container
 - (f) gantry crane, A.E.C.L. type 165 or equivalent with 5000 lbs working capacity
 - (g) teletherapy Head Survey blanks in duplicate
 - (h) return shipping instructions and documents
3. Both persons shall wear 0 - 50 m/r/hr and 0 - 5 r/hr pocket dosimeters - correctly zeroed together with an A.E.C.L. film badge.
4. Prior to commencement the Authorized person shall:
 - (a) make a survey of those areas from which uncontrolled persons may have to be evacuated in the event of a mal-transfer. This area in which the radiation field is 5 m/r/hr or greater will be referred to as the "Danger Area"
 - (b) should such an accident occur, be guided by the Official Atomic Energy Control Authority in the country in which you are working
 - (c) if immediate assistance is required, consult the Municipal Police, Fire Department or Civil Defense Authority
 - (d) do not depend on locked doors. See that guards are posted to prevent entrance to the "Danger Area"
 - (e) report to A.E.C.L. Radiation Hazards Section immediately after the entrances to the "Danger Area" have been secured.

FEB 03 1989

License No. 54-28315-01
Docket No. 030-30905
Control No. 109899

Theratronics International Limited
ATTN: R. K. Strike
P.O. Box 13140
413 March Road
Kanata, Ontario, Canada K2K 2B7

Gentlemen:

Please find enclosed your NRC material license.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5239, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

APL

OFFICIAL RECORD COPY

ML 54-28315-01/LTR - 0001.0.0
01/25/89

ML10

8908100051

We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:

Laurence F. Friedman, Ph.D.

Laurence F. Friedman, Ph.D., C.H.P.
Senior Health Physicist
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

Enclosures:

1. License No. 54-28315-01
2. Requirements for Materials Licensees

DRSS:RI
Friedman/mjh

FF
2/2/89

OFFICIAL RECORD COPY

ML 54-28315-01/LTR - 0002.0.0
01/25/89